

BARTON-UPON-IRWELL  
RURAL DISTRICT COUNCIL.

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ANNUAL REPORT

FOR 1913.

BY

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Issued by the Barton-upon-Irwell Rural District Council,  
February, 1914.

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# MEDICAL OFFICER'S REPORT.

UNION OFFICES,

PATRICROFT,

*February, 1914.*

*To the Barton-upon-Irwell Rural District Council.*

GENTLEMEN,

I have the honour of submitting to you my Second Annual Report on the health and sanitary condition of your district for the year 1913.

## AREA AND POPULATION.

The acreage and estimated population of the different Townships in the district for the year 1913 are as follows :—

TOWNSHIP	Area in Acres	Population (Census) 1911	Estimated Population, 1913
Barton Moss.....	1407	208	210
Davyhulme .....	2701	1429	1462
Flixton .....	1564	4845	5088
Clifton .....	1193	2743	2772
Whole District.....	6865	9225	9532

## BIRTHS.

The number of births registered during the year was 197, or 5 less than the previous year; this gives a birth-rate of 20·6 per 1,000 population, as against 21·7 in 1912; the average birth-rate for the previous five years being 22·8.

The sex of the children born and the birth-rate of the separate Townships are given below :—

TOWNSHIP	Males	Females	Total	Birth Rate
Barton Moss .....	5	4	9	42·8
Davyhulme .....	19	23	42	28·6
Flixton .....	45	49	94	18·4
Clifton .....	30	22	52	18·7
Whole District .....	99	98	197	20·6

The male births are only in excess of the female births by one. Barton Moss and Davyhulme having the highest birth-rates.

To the total of 197 births, as shewn in the preceding table, two must be added. These births have been transferred to your district by the Registrar General, making a total of 199 births and a birth-rate of 20·8. Three illegitimate births were registered during the year.

### DEATHS.

The number of deaths registered during the year was 120, or 8 more than in the previous year. This number gives a death-rate of 12·5 as compared with 11·9 in 1912. Included in the deaths are 14 which have been transferred. These are deaths of residents not registered in the district. Six deaths occurred in the district of non-residents.

Out of the 120 deaths 37 occurred in persons of 65 years of age and upwards ; the principal causes of death in this number being senility, heart disease, bronchitis, and cancer.

The following Table shows the sex of the persons dying, and the death-rates in the different localities of the district :—

TOWNSHIP	Males	Females	Total	Death Rate
Barton Moss .....	4	1	5	23·8
Davyhulme .....	8	5	13	8·8
Flixton .....	31	32	63	12·3
Clifton .....	21	18	39	14
Whole District .....	64	56	120	12·5

### INFANT MORTALITY.

Twenty-two deaths occurred in children under one year of age giving a death-rate of 110·5 per 1,000 births, as compared with 29·7 in 1912. The high death-rate during the past year was no doubt due to the inclement weather. Six of these deaths were due to pneumonia, 2 whooping cough, 1 measles and the rest from various causes.

The following Table shows the number of deaths from all causes, and including the principal infectious diseases, viz., small-pox, enteric fever, measles, whooping cough, diphtheria and membranous croup, from phthisis and from respiratory diseases :—

TOWNSHIP	All Causes		Infectious Diseases		Phthisis		Respiratory Diseases	
	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate
Barton Moss.....	5	23·8	—	—	2	9·5	—	—
Davyhulme .....	13	8·8	1	·6	1	·6	2	1·3
Flixton .....	63	12·3	3	·5	1	·19	17	3·3
Clifton .....	39	14	5	1·8	—	—	7	2·5
Whole District.....	120	12·5	9	·9	4	·4	26	2·6

Respiratory diseases, comprising bronchitis, pneumonia, and pleurisy accounted for 26 deaths, against 20 in 1912, 18 in 1911, and 1910, 22 in 1909. The number of deaths from these causes is rather high and probably due to the same cause as that producing the increased infantile mortality.

Phthisis accounted for 4 deaths, showing a death-rate of .4, against .6 in 1912 and 1911, .4 in 1910, .5 in 1909.

Only one death occurred for diarrhoea, as against nil in 1912 and 12 in 1911.

### INFECTIOUS DISEASES (other than Phthisis).

The cases of compulsory notifiable diseases notified during the year are shewn in Table III.

This number which only reached 20 may be considered very satisfactory and is the lowest number for many years. The following is a list for the previous five years:—44 in 1912; 45 in 1911; 115 in 1910; 89 in 1909; and 42 in 1908. Three deaths occurred from infectious diseases during the year, viz., 2 enteric fever and 1 diphtheria.

Of the above 20 cases, 9 occurred in Flixton, 3 in Davyhulme and 8 in Clifton.

### ENTERIC FEVER.

Three cases were notified during the year and all occurred in Clifton; in one case the eating of Mussels appeared to be the origin; whilst in the other cases no source of infection could be traced.

### SCARLET FEVER.

The number of Scarlet Fever notifications were 7, against 32 in 1912, 22 in 1911, 84 in 1910, 66 in 1909 and 19 in 1908.

Six of these occurred in Flixton, and 1 in Davyhulme. As in the previous year most of the cases were of a very mild nature,

and several were contracted outside the district, and occurred in children attending schools in other districts.

#### DIPHTHERIA.

Five cases of Diphtheria were notified, against 7 in 1912, 10 in 1911, 24 in 1910, 9 in 1909, and 7 in 1908. Two cases occurred in Flixton, 2 in Davyhulme, and 1 in Clifton. The case occurring in Clifton was a very doubtful one, and was discharged from hospital after only four days treatment. One case at Davyhulme was fatal. No definite source of origin could be traced in any of the cases notified.

#### SMALL-POX.

No case has occurred. We have a contract with the Salford Corporation for removal to their hospital of any case which might arise.

#### CEREBRO-SPINAL FEVER AND ACUTE POLIOMYELITIS.

No cases of these diseases which are compulsory notifiable in the district have been notified.

#### OPHTHALMIA NEONATORUM.

During the year your Council added this disease to the list of those compulsory notifiable in the district. Two cases have been notified, and in each instance I have paid visits and obtained the necessary information and given the requisite instructions.

#### CASES REMOVED TO HOSPITAL.

Five cases only were removed to Hospital during the year. Two scarlet fever, one diphtheria, and two enteric fever. One case of enteric fever proved fatal.



## METHOD OF DEALING WITH INFECTIOUS DISEASE.

Each case notified is visited at once; isolation is enjoined, either at home or by removal to Ladywell Sanatorium, and all children from the infected home are prevented from attending school until such time that a certificate of freedom of the house from infection is issued to the Schoolmaster.

Disinfection of wearing apparel, discharges, drains, and privies is carried out; and at the termination of the illness the room and its contents are thoroughly fumigated with formaldehyde gas, such articles as require it being submitted to Lyon's superheated steam disinfector, or destroyed and compensation granted.

Disinfectants, free of cost, are provided in each township. Careful inspection of the premises is always carried out, and defects, temporal or structural, are rectified.

A precautionary notice and a list of suggestions for preventing the spread of infectious disease is delivered at the house when the case is visited.

All houses where cases are isolated at home are frequently visited until the termination of the illness.

If there is suspicion that an unrecognised case is attending a school, the school is visited and the scholars examined. This has been necessary in one or two instances during the past year.

### DIPHTHERIA ANTITOXIN ORDER, 1910.

Arrangements are made for the supply of Antitoxin in the different parts of the district, free of cost, for use of those patients who are too poor to pay for it.



## PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1913.

Twenty cases of Tuberculosis have occurred during the year, and were notified as follows :—

Form A.	Occurring in private practice of medical practitioner	17
„ B.	School Medical Officers .....	1
„ C.	Medical Officers of Sanatoria or other Institutions	2
Total.....		<u>20</u>

When a case comes under notice, visits are made from time to time, and a card of instructions as to the best way of counter-acting the disease is left at the house. Disinfectants are supplied free.

### SCHOOL CLOSURE.

During the year I found it necessary to advise the closure of four schools in your district on different dates, owing to the prevalence of measles and mumps.

Flixton Church School (Infants' Department) for mumps, Flixton Council School (Infants' Department) for measles, St. Ann's Church School (Infants' Department) on two occasions ; for measles in one instance and in the other for mumps.

### MEDICAL INSPECTION OF SCHOOL CHILDREN.

This work is undertaken by the Lancashire County Education Authority.

### SALE OF FOOD AND DRUGS ACT.

The number of samples purchased in the district during the year was 29, particulars of which are given below :—

Ginger .....	3
Butter .. .. .	3
Lard .....	3
Milk .. .. .	9
Pepper .....	5
Coffee.....	4
Mustard .....	1
Chicory .....	1
Total .....	<u>29</u>

All were certified by the Analyst as genuine. These samples were purchased by the County Police. I must again draw attention to the small number of samples of milk purchased under the above Act. The total number of samples for the year was 29, and of these only 9 samples of milk were obtained. This number is very low indeed considering the quantity of milk produced and delivered in your district, and I would recommend that your Inspector be instructed to obtain samples of milk under this Act.

### MILK SUPPLY.

During the year I have paid numerous visits in company with your Inspector to the Cowsheds and Dairies in the district.

The new regulations adopted by the Council, and which came into operation at the beginning of the year have had a beneficial effect and there is a decided improvement in these places. Several structural alterations have been carried out in providing or improving the light and ventilation, and the cowsheds are more regularly limewashed than previously.

No action has been taken by my Council or any other Authority, acting under special powers, in causing dairy cows in the district to be examined by veterinary surgeons.

### WATER SUPPLY.

The whole district, except a few scattered dwellings, is supplied by town's water, partly by Manchester, and partly by Bolton.

### SEWERAGE AND DRAINAGE.

The more densely-populated parts of the Township of Davyhulme are provided with main sewers.

No. 2 Scheme for the sewerage of the remaining portion of the district is still under consideration, and it is necessary that this scheme should be carried out with all possible speed, so that

the sewage from Chapel Place, etc., can be efficiently dealt with, and the area put in a more sanitary condition.

Flixton—the sewage from this township is treated at the works provided jointly with the Urmston Urban District Council.

The Clifton sewage is treated at the Clough Sewage Works and the United Brook Sewage Works, and from the present quality of sewage delivered at the Clough Sewage Works, good effluents are obtained.

### EXCREMENT DISPOSAL.

In the Rural District there are about 600 privy middens, 1,180 water closets, 130 pail closets, and 6 waste water closets.

During the year, 48 privies and 2 pail closets have been converted to water closets, 6 additional w.c.'s have been provided.

### REMOVAL OF HOUSE REFUSE.

The removal of house refuse is carried out satisfactorily.

The work in Clifton and Davyhulme is let by contract. All bins and pail closets are emptied weekly, and the ashpits and privy middens at least four times a year.

In Flixton, the Council only contract for team labour, the ashpits, etc., are emptied by men directly employed by the Council. In this township there is also a weekly collection of bins and pails, whilst the ashpits are emptied at various periods and as often as necessary.

The privy middens are emptied during the night time in Flixton and in a portion of Davyhulme.

The refuse is disposed of at Refuse Tips and at Farms.

In Barton Moss, where the occupiers are mostly farmers, the work is undertaken by themselves.

## OFFENSIVE TRADES.

No additional works has been erected in Trafford Park under Section 112 of the Public Health Act, 1875.

## SLAUGHTER-HOUSES.

The Slaughter-houses have been duly inspected and found satisfactory.

Although only four in number, they are so scattered that it is impossible to carry out a thorough inspection of the meat or carcasses before the organs are removed. They are visited as often as possible at the times of slaughtering.

No carcasses or parts of carcasses were found to be tuberculous or otherwise diseased.

## NOTIFICATION OF BIRTHS ACT, 1907.

This Act has not been adopted.

HOUSING OF THE WORKING CLASSES ACTS,  
1890-1909.

The following particulars show the work done in connection with the above Acts during the year:—

No. of dwelling-houses inspected under Section 17 of the Act of 1909...	75
„ dwelling-houses considered unfit for human habitation .....	2
„ Representations to Authority with a view to making Closing Orders .....	2
„ Closing Orders made.....	2
„ dwelling-houses in which defects were remedied without making Closing Orders .....	25
„ dwelling-houses put into a fit state of habitation after making Closing Orders .....	0
„ dwelling-houses demolished.....	1

The general character of defects found to exist were damp walls, insufficient and defective ventilation, defective or insufficient paving.

Notices were served under Section 15 of the Act of 1909, representing 9 houses. All of which have been complied with; in other instances, where inspections were made under the Act notices under Section 94 Public Health Act, 1875, were served.

### FACTORY AND WORKSHOPS ACT, 1901.

The sanitary condition of the workshops and workplaces has not called for any special action.

Section 22 of the Public Health Acts Amendment Act, 1890, is in force in the district, the standard for females being 1 to 20 employed; and for males, 1 to 30 employed.

There are no cases of overcrowding, many of the places on the register being of recent construction and satisfactory in condition.

No case of infectious disease has arisen in connection with any of the places on the register.

Ninety-seven visits of inspection were made during the year to factories and workshops.

No breaches of sanitary requirements for bakehouses came under notice.

Only one of the bake-houses in the district is underground, and it is in order.

The Table supplied by the Secretary of State is appended, duly filled in.

D. W. DAVIDSON, M.B., Ch.B. (Glasgow),

*Medical Officer of Health.*

## 1.—INSPECTION.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS  
OF NUISANCES.

PREMISES	Number of		
	Inspections	Written Notices	Prosecutions
Factories ... ..	35	...	...
Workshops ... ..	62	...	...
Workplaces ... ..	...	...	...
<b>TOTAL</b> ... ..	<b>97</b>	...	...

## 2.—DEFECTS FOUND.

PARTICULARS	Number of Defects			Number of Prosecutions
	Found	Remedied	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Acts :—</i>				
Want of cleanliness ... ..	...	...	...	...
Want of ventilation ... ..	...	...	...	...
Overcrowding ... ..	...	...	...	...
Want of drainage of floors ... ..	...	...	...	...
Other nuisances ... ..	...	...	...	...
Sanitary accommodation {	insufficient ... ..	...	...	...
	unsuitable or defective ... ..	...	...	...
	not separate for sexes ... ..	...	...	...
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground Bakehouse (s. 101) ... ..	...	..	...	...
Breach of special sanitary requirements for Bakehouses (ss. 97 to 100) ... ..	...	...	...	...
Other offences ... ..	..	...	...	...
TOTAL ... ..	...	...	...	...



### 3.—HOME WORK.

Number of addresses of Outworkers—

Lists received from Employers (sending twice in the year) ... ..	2
Outworkers (Workmen) ... ..	
Number of inspections of Outworkers' Premises ... ..	4

### 4.—REGISTERED WORKSHOPS.

Number

Workshops on the Register (s. 131) at the end of the year—

Bakehouses ... ..	4
Laundries ... ..	2
Tailors and Dressmakers ... ..	4
Hamper Makers ... ..	2
Joiners and Wheelwrights ... ..	4
Smithy ... ..	1
Petroleum-Barrelling Works ... ..	6
Boot Repairing and Clog Making ... ..	4
Other Workshops ... ..	4
—	
Total number of Workshops on Register ...	31

### 5.—OTHER MATTERS.

Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5) :—

Notified by H.M. Inspector ... ..	—
Reports (of action taken) sent to H.M. Inspector ...	—

Underground Bakehouses (s. 101)—

In use at the end of the year ... ..	1
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TABLE I.—VITAL STATISTICS OF WHOLE DISTRICT DURING 1913 AND PREVIOUS YEARS.  
BARTON-UPON-IRWELL RURAL DISTRICT.

YEAR	Popu- lation estimated to Middle of each Year	BIRTHS			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS		NETT DEATHS BELONGING TO THE DISTRICT.			
		Un- corrected Number	Nett		Number	Rate	Deaths of Non- Residents registered in the District	Deaths of Residents not registered in the District	Under 1 Year of Age		At all Ages	
			Number	Rate					Number	Rate per 1,000 nett Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1908	8865	189	189	21	126	14	3	5	19	100	128	14
1909	8980	234	234	26	103	11	3	13	20	85	113	12·5
1910	9100	214	214	23	88	9	6	19	22	102	101	11
1911	9225	208	211	22·7	118	12·7	5	15	20	94	128	13·8
1912	9338	200	202	21·7	101	10·9	10	21	6	29·7	112	11·9
1913	9532	197	199	20·8	112	11·7	6	14	22	110·5	120	12·5

Area of District in acres (exclusive of area covered by water) ..... } 6,865  
 Total population at all ages ..... } 9,225 { At Census  
 Number of Inhabited Houses ..... } 2,154 { of 1911.  
 Average number of persons per house ... 4·28

TABLE II.—CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1912.  
BARTON-UPON-IRWELL RURAL DISTRICT.

NOTIFIABLE DISEASES	NUMBER OF CASES NOTIFIED								TOTAL CASES NOTIFIED IN EACH LOCALITY				TOTAL CASES REMOVED TO HOSPITAL
	At all Ages	At Ages—Years.							Barton Moss	Davynulme	Flixton	Clifton	
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and up-wards					
Small-pox	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	...	...	...	...	...	...	...	...	...	...	...	...	...
Membranous croup	...	1	4	...	...	...	...	...	...	2	2	1	1
Erysipelas	...	...	...	...	...	...	...	...	...	1	...	2	...
Scarlet fever	...	...	...	...	...	...	...	...	...	...	6	1	2
Typhus fever	...	1	3	1	2	2	...	...	...	...	...	...	...
Enteric fever	...	...	...	...	...	...	...	...	...	...	...	3	2
Relapsing fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...
Poliomyelitis	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis	...	...	...	...	...	...	...	...	...	...	7	2	...
Other forms of Tuberculosis..	...	1	2	2	2	8	...	...	...	4	4	1	...
Ophthalmia Neonatorum	...	2	...	...	...	...	...	...	...	...	1	1	...
Totals	40	3	4	10	9	13	1	...	...	9	20	11	5

Isolation Hospital—Name and Situation : { By arrangement with Salford Corporation at Ladywell Sanatorium and their Smallpox Hospital.

Total available Beds 5, and 2 for Smallpox.

Number of Diseases that can be concurrently treated :—All Notifiable Infectious Diseases.

BARTON-UPON-IRWELL RURAL DISTRICT.

Sub-Entries included in above figures :

## Infantile Mortality during the Year 1913.

Nett Deaths from stated Causes at various Ages under One Year of Age.

CAUSE OF DEATH	Undr 1 Wk	1-2 Wks	2-3 Wks	3-4 Wks	Total under 1 Month	1-3 Mths	3-6 Mths	6-9 Mths	9-12 Mths	Total under 1 Year
<b>All Causes</b> { Certified ... Uncertified ...	...	...	...	...	...	...	...	...	...	21 1
Small-pox ...	...	...	...	...	...	...	...	...	...	...
Chicken-pox ...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	1	...
Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...	...	...	...	...	...	2	...	...	...	...
Diphtheria and Croup ...	...	...	...	...	...	...	...	...	...	2
Erysipelas ...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis ...	...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis ...	...	1	...	...	1	...	...	...	...	...
Other Tuberculous Diseases ...	...	...	...	...	...	...	...	...	...	...
Meningitis ( <i>not Tuberculous</i> ) ...	...	...	...	...	...	...	...	...	...	...
Convulsions ...	...	...	...	...	...	1	...	...	...	...
Laryngitis ...	...	...	...	...	...	...	...	...	...	1
Bronchitis ...	...	...	...	...	...	...	...	...	...	...
Pneumonia (all forms) ...	...	...	...	...	...	...	...	2	4	6
Diarrhoea ...	...	...	...	...	...	...	1	...	...	...
Enteritis ...	...	...	...	...	...	1	...	...	...	1
Gastritis ...	...	...	...	...	...	...	...	...	...	1
Syphilis ...	...	...	...	...	...	...	...	...	...	...
Rickets ...	...	...	...	...	...	...	...	...	...	...
Suffocation, overlying ...	...	...	...	...	...	...	...	...	...	...
Injury at Birth ...	...	1	...	...	1	...	...	...	...	...
Atelectasis ...	...	...	...	...	...	...	...	...	...	...
Congenital Malformations ...	...	...	...	...	...	...	...	...	...	...
Premature Birth ...	2	...	...	...	2	2	...	...	...	2
Atrophy, Debility and Marasmus ...	...	...	...	...	1	1	...	...	...	1
Other Causes ...	...	1	1	...	2	...	...	...	...	...
	2	3	1	1	7	7	1	2	5	15

Nett Births in the year—Legitimate, 196 ; Illegitimate, 3. Nett Deaths in the year of Legitimate Infants, 21 ; Illegitimate Infants, one.

# Summary of Medical Officer's Report for 1913.

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What is the character of the Hospital accommodation: For Small-pox, by Contract with Salford Corporation; for other Infectious Diseases, by Contract with Salford Corporation.

Is it Joint or otherwise?—Joint.

Number of Beds available for your District: For Small-pox, 2; for other Infectious Diseases, 5.

Number of cases removed to Hospital from your District: Small-pox, Nil; Enteric Fever, 2; Diphtheria, 1; Scarlet Fever, 2; Total, 5.

Deaths in Hospital of patients from your District: Enteric Fever 1.

How is Disinfection carried out—

Houses, Formaldehyde Gas: Number of Houses disinfected, 18.

Apparatus used for Clothing, Bedding, etc. (steam or otherwise): Steam.

Where is Apparatus situated: Mode Wheel Disinfecting Station, Salford Corporation.

If Apparatus at a Hospital is available is it used for the disinfection of Clothing, Bedding, &c., of Patients *not* removed to the Hospital?—Yes.

Are any Diseases not specifically mentioned in the Infectious Diseases Notification Act notifiable (for instance, Measles, Whooping Cough, Diarrhœa, Chicken-pox, Ophthalmia Neonatorum, etc.)? If so, what are they?—Ophthalmia Neonatorum, Acute Poliomyelitis and Cerebro-Spinal Fever.

Diseases specially prevalent: Measles and Mumps. Period: February, March, April, and December.

Any Schools closed: Yes, 3—1 on two occasions. If so, for what disease? Measles and Mumps.

Number of Special Reports made under Art. 19 (15 and 16) Sanitary Officer's Order, 1910: Four respecting school closure.

Bacteriological Examinations. Number and nature of specimens examined: 9; 2 for Diphtheria, 7 for Tuberculosis; 2 Tuberculosis Positive remaining 7 negative.

Arrangement (if any) made under the Diphtheria Anti-toxin Order, 1910? Anti-toxin supplied free to poor patients.

“The Housing of the Working Classes Acts, 1890 to 1909”—

Has your Authority determined the procedure to be adopted for the inspection of your District as required by Article 1 of the Regulations? No, the houses were known.

Has your Authority prepared, as required by Article 1 (3), a list of dwelling-houses, the early inspection of which is desirable?—No.

Has your Authority designated an officer to undertake the special inspection of houses and to keep the records stipulated by Article 2. If so, what officer?—Yes. Sanitary Inspector and Medical Officer of Health.

Have the necessary books, forms, etc., for keeping the required records been obtained?—Yes.



## Action taken in 1913 :—

Number of Dwelling-houses inspected .....	75
„ Dwelling-houses considered unfit for human habitation .....	2
„ Representations to Authority with a view to making Closing Orders .....	2
„ Closing Orders made .....	2
„ Dwelling-houses in which defects were remedied without making Closing Orders .....	25
„ Dwelling-houses demolished.....	1
General character of defects found to exist: Damp walls, insufficient and defective ventilation, defective and insufficient paving.	

Is there a deficiency of housing accommodation?—If so, where?—No.

Source of the Water Supply.—Manchester and Bolton. What is its condition?—Good. Is it subject to your inspection?—Yes.

Is Scavenging and Removal of House Refuse carried out satisfactorily?—Yes. How performed (by Sanitary Authority, Contract, or Occupiers of houses)?—By Sanitary Authority in Flixton (Contract for team labour only), by Contract in Clifton and Davyhulme, and by Occupiers in Barton Moss.

How is the Refuse disposed of?—At Refuse Tips and Farms. Has a Destructor been provided?—No.

Sewage Disposal Works—Method of Treatment: Clifton—Detritus Tanks and Continuous Filters. Davyhulme—Treated by Manchester Corporation at their Davyhulme Sewage Works. Flixton—Sewage is treated at the works provided jointly with the Urmston Urban District Council. What is the character of the Drainage?—Separate. Drain Testing, Flushing, &c.?—Flushing chambers provided for sewers in Davyhulme; all new drains tested with water.

Action taken with regard to the Pollution of Streams: Nil.

Canal Boats: Number inspected.—Nil.

What is the condition of the Bakehouses?—Good.

What is the condition of the Slaughter Houses?—Fair. Has a Public Abattoir been provided?—No.

What is the condition of the Lodging Houses?—Nil.

What is the Sanitary condition of the Schools?—Fair.

Dairies, Cowsheds, and Milkshops—

Are they periodically inspected?—Yes. What is their condition?—Most in fair condition.

Have Regulations been made under the order of the L.G.B.?—Yes. Are they enforced? Yes.

Amount of air space in cubic feet required for each cow: 600 ft.

Number of Cowkeepers, 34. Number on Register, 34.

Number of Dairymen or Purveyors of Milk (other than Cowkeepers), 18. Number on Register, 18.

Action taken (if any) as to tuberculous milk ?—Nil.

Total amount of Food seized as unfit for human consumption ?—Nil. Number of Carcases and parts of Carcases condemned for Tuberculosis ?—Nil. Number of legal proceedings and result ?—Nil.

Department of Inspector of Nuisances.—Number of Notices served : 81. Nuisances remedied, 521. Number of legal proceedings taken and result ?—Nil.

Closet accommodation of the District.—Number of Privy Middens, 600 ; Pail Closets, 130 ; Fresh Water Closets, 1,180 ; Waste Water Closets, 6. Number of Privy Middens converted during 1913 to Water Closets, 48 ; and 6 additional Water Closets provided ; to Pails, etc., 6. Number of Pail Closets converted to Water Closets, 2. Does Council contribute towards the cost of conversion of either privies or pail closets, or both ? If so, how much ?—No.

Smoke.—Number of observations ?—Twenty-three. Number of Legal Proceedings taken and result, Nil. What is the time limit allowed for the emission of black smoke per hour ?—No time limit fixed.

Has the Authority adopted—

The Infectious Disease (Prevention) Act, 1890 ?—Yes.

The Public Health Acts Amendment Act, 1890 ?—Yes.

The Public Health Acts Amendment Act, 1907 ?—No.

The Notification of Births Act, 1907 ?—No.

Has a Health Visitor been appointed ?—No.

Notable Sanitary Improvements during 1913.—A large number of houses in the sewered portion of Davyhulme re-drained and connected with the sewer.

Chief Sanitary requirements of District.—No. 2 Sewerage Scheme, Davyhulme.



# SURVEYOR'S REPORT.

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SURVEYOR'S OFFICE,

PATRICROFT,

*February 2nd, 1914.*

*To the Chairman and Members of the  
Rural District Council of Barton-upon-Irwell.*

GENTLEMEN,

I beg to submit my report upon the works carried out in your District during the year 1913.

## FLIXTON PAROCHIAL COMMITTEE.

COLONEL SAML. STOTT, Chairman.

### BYE-LAW PLANS.

Plans have been laid before the Committee and approved for :—

New Streets	Dwelling Houses	Other Buildings
1	16	5

The number of dwelling-houses erected in Flixton during the past year was 23.

The following Table gives the number of houses erected during the last ten years :—

1904	1905	1906	1907	1908	1909	1910	1911	1912	1913
6	79	63	24	19	26	21	32	23	23

### HIGHWAYS.

The Parochial Committee has under its charge 6 miles, 6 furlongs, and 127 yards of highways, comprising 4 miles, 3 furlongs, and 100 yards of secondary roads, *i.e.* roads towards

the cost of which the County Council makes a grant in aid; and 2 miles, 3 furlongs and 27 yards of Other Roads, which are maintained by the Parochial Committee.

The roads are as follows :—

Roads	County Council Reference No.	Grant	Name of Road	Length		
				Miles	Furlongs	Yards
Secondary Roads {	350	£ 100	Irlam .....	2	4	112
			Church .....			
			Flixton .....			
	351	24	Woodsend .....	...	6	99
	352	46	Flixton .....	...	6	44
	361	20	Carrington Road .....	...	2	65
				4	3	100
Other Roads..... {			Goldsworthy Road ...	...	...	177
			Whitelake Avenue ...	...	...	290
			Moorside Road .....	...	1	176
			Western „ .....	...	1	88
			Brook „ .....	...	1	198
			Chassen „ .....	...	3	198
			Lime Avenue ..	...	...	188
			The Hollies .....	...	...	72
			Back Streets .....	...	1	11
			Princess Road .....	...	1	124
			Back Barton Avenue, North and South ...	...	...	77
			Alderley Road .....	...	...	213
			Barnfield .....	...	1	39
			Delamere Road .....	...	...	179
			Albert Grove .....	...	...	120
			Victoria Avenue .....	...	...	77
				2	3	27

The following works have been carried out during the past year :—

#### IRLAM ROAD (Part of Secondary Road, No. 350).

A length of 200 lineal yards of 12in. by 7in. dressed kerb and channel paved with three rows of 6in. setts, grouted with pitch compo, has been laid on the north side of the road from the

Red Lion Inn to the Railway Tavern, and the surface water drain opposite the above kerb has been relaid and repaired for a length of 100 yards. Three branch drains and six new gullies and grids have been laid and fixed.

The roadway for a length of 200 yards has been scarified, coated with macadam and steam rolled. The cost of the above works has been £146 4s. 9d.

From Townsgate Farm to Irlam Ferry the roadway has also been scarified, coated with macadam and steam rolled, at a cost of £83 6s. 8d.

#### WOODSEND ROAD (Part of Secondary Road, No. 351).

In this road the kerbing, channelling, and macadamizing of the length between Moorside Road and the Flixton Union has been completed.

In front of the cottages on the east side of the road near the Red Lion Hotel, 12in. by 7in. dressed kerbing has been laid, with channels 18ins. wide of grit setts grouted with pitch compo, and blue bricks have been paved on the path opposite the cottages, the total cost being £20 10s.

#### MOORSIDE ROAD (Other Roads).

From the Davyhulme boundary to near the White House a new 9in. diameter socketed pipe surface water drain has been laid; 15 branch drains and 30 gullies and grids have been laid and fixed. The cost of this work is £124 15s. 8d.

#### CHASSEN ROAD (Other Roads).

In Chassen Road a length of 150 yards of roadway, from the Flixton Mill towards Church Road, has been scarified, covered with macadam and steam rolled, at a cost of £37.

The work of laying kerbs and channels near the Roebuck Hotel is in hand.

## PRIVATE STREET WORKS.

The objection of the apportionment of the cost of the Private Street Works in Albert Grove, and claim for damages amounting to £118 11s. 6d. made by Mr. W. H. M. Ward, an owner in that road, was the subject of an inquiry held at Flixton on 1st April, 1913, by J. Ekin, Esq., an Inspector of the Local Government Board, and on 6th August the order of the Local Government Board was made amending the amount to be paid by Mr. Ward from £90 10s. 7d. (the amount apportioned) to £81 4s. 3d., and ordering payment of that amount to be made forthwith. As to the claim for damages, the Inspector declined to go into the matter at all, pointing out that Mr. Ward might take proceedings elsewhere if he cared to do so.

Plans and estimates have been prepared, submitted, and approved by you for tar macadamizing Clarendon Road and Brighton Avenue off Woodsend Road, and draining and making up the passages off same with granited rock asphalte on concrete. The total estimated cost of the above works amounts to £1,362 10s. 11d.

## DAVYHULME PAROCHIAL COMMITTEE.

R. K. WADSWORTH, Esq., Chairman.

During the past year Bye-law Plans for the following have been laid before and approved by the Committee:—

Dwelling Houses	Works and sundry Buildings
1	22

The following Table gives the number of houses erected in Davyhulme during the past ten years:—

1904	1905	1906	1907	1908	1909	1910	1911	1912	1913
22	8	0	0	3	4	2	6	0	7

## HIGHWAYS.

The Committee has under its charge 5 miles 1 furlong and 56 yards of highways, made up of Secondary Roads receiving a

grant from the County Council in aid, and other roads, the cost of which is wholly borne by the Committee, as follows:—

Roads "	County Council Reference No.	Grant	Name of Road	Length		
				Miles	Furlongs	Yards
Secondary Roads	{	£ 42	Davyhulme Road ...	1	3	7
			Crofts Bank Road ...	...	3	30
			Moss Road ... ..	...	2	109
				2	0	146
Other Roads ...	{		Redclyffe Road ... ..	...	5	130
			Bent Lanes ... ..	1	1	...
			Moorside Road ... ..	1	2	...
				3	..	130

No Private Street Improvements have been executed during the year.

The following works have been carried out on the highways during the past year:—

#### CROFTS BANK ROAD (Part of Secondary Road, No. 351).

From Mrs. Cookson's house to Crofts Bank the roadway has been scarified, coated with macadam and steam rolled at a cost of £89 12s. 6d.

Repairs over the underground pipe telephone main along the paths in this road have been carried out and the cost charged to the contractors who carried out the work.

#### DAVYHULME ROAD (Part of Secondary Road, No. 351).

From Crofts Bank to Cornhill Road the roadway has been scarified, coated with 2in. Penmaenniawr granite and steam



rolled at a cost of £150 4s. 0d., and similar work has been carried out from Bent Lanes to the Flixton boundary at a cost of £122 17s. 9d.

The footpath from Barton Road towards Davyhulme for a length of 300 yards has been made up with limestone asphalte at a cost of £42 0s. 9d.

#### MOSS ROAD (Secondary Road No. 349).

In Moss Road a length of 75 yards of kerbing and channels on the east side, from Lostock Road, has been laid and two gullies and branch drains have been fixed and laid at a cost of £32 16s. 0d., and the making good of the macadam to same will be done before the end of the financial year.

#### OTHER ROADS.

In Bent Lanes a length of 300 yards of roadway has been scarified, coated with macadam and steam rolled at a cost of £53 18s. 1d.

In Cornhill Road a length of 220 yards of roadway from Davyhulme Road towards Mr. Hardman's house has been scarified, coated with macadam and steam rolled.

The road widening near St. Michael's (Mr. Smith's house) has been proceeded with, the thorn fence removed, wooden two-rail fence erected, excavation and ballasting with brickbats and cinders completed, the surface water drain repaired, and six new gullies with cast-iron grids fixed and branch drains laid at a cost of £80 5s. 0d.

#### PRIVATE STREET WORKS.

Chapel Place and passages off same being in a very dirty and unsatisfactory condition, the Committee has caused plans, sections and estimates of cost of making them up and draining and sewerage them to be prepared. It is proposed that the roadway be paved with grit setts on the sloping portion near the

Ship Canal and with granited rock asphalte on concrete underbed for the southern and level portions of the road. The passages also to be of rock asphalte on concrete with proper surface drains and gullies. Notices have been served and have expired and application to the Local Government Board for sanction to the necessary loan of £1,065 3s. 2d. will be made in due course.

#### DAVYHULME MAIN DRAINAGE.

The dispute between yourselves and the Manchester Corporation as to the infiltration of subsoil water into the new sewers having been settled by the completion of a Supplementary Agreement, the pumping of the sewage into the Corporation's tanks at Davyhulme Sewage Works was commenced at 12-0 noon on 10th May, 1913, and has proceeded continuously since that date.

By your instructions I have had gaugings taken monthly on a rectangular V notch weir fixed in the outfall sewer in the path along Mrs. Barlow's farm, and the results have been as stated in the following table:—

#### TABLE OF GAUGINGS.

DATE	No. of Houses connected	Depth on V. Weir, Inches and Decimals	Gallons per Minute	Total Volume per 24 hours, including Sub-soil Water	Gallons per Head per day	REMARKS
1913.						
June 12 & 13 ...	69	1·93	9·714	13,970	40·49	Pumping commenced on 10th May, 1913
July 9 & 10 ...	75	1·8966	9·272	13,352	35·60	
Aug. 7 & 8 ...	86	1·785	7·99	11,492	26·72	
Sept. 4 & 5 ...	97	1·713	7·201	10,370	21·38	
Oct. 2 & 3 ...	105	1·717	7·242	10,430	19·86	
Oct. 31 & Nov. 1	115	1·921	9·59	13,810	24·02	Rain previous 2 days
Nov. 27 & 28 ...	126	1·813	8·301	11,954	18·97	Rain 5 hours during gauging
Dec. 23 & 24 ...	133	1·965	10·148	14,614	21·9	Rain during gauging
1914.						
Jan. 22 & 23 ...	141	2·109	12·11	17,440	24·73	



The total number of houses connected to the new sewers was on January 23rd, 141 ; and this represents, taking 5 persons to each house, a population of 705.

Each month about 10 houses are being connected, so that in a short time all existing properties will be connected up.

#### NO. 2 SCHEME.—DAVYHULME MAIN DRAINAGE.

The scheme for laying a sewer from Davyhulme Sewage Works to Chapel Place along Redclyffe Road has been sanctioned by the Local Government Board after an Inquiry held on 5th December last, by M. K. North, Esq., M. Inst. C.E., and the work can be proceeded with as soon as certain matters in connection with the Manchester Corporation Bill in Parliament have been settled.

An area of 1,450 super. yards of land, adjoining your dépôt at Croft's Bank, and in rear of Mrs. Bethell's farm, has been taken on a lease for 20 years, upon which will be erected a two-storey building containing an office, cart shed, and mortuary on the ground floor, with plumber's workshop and lamp store, large store-room and water closet on upper floor. The cost is estimated at about £300.

#### BARTON MOSS.

No houses have been erected in Barton Moss during the year, and only one building, a shippon, at Brighton Grange Farm.

#### CLIFTON.

You have one Secondary Road (No. 326), Rake Lane, for which you receive a grant from the County Council of £40.

The length of this road is 1 mile, 0 furlongs and 136 yards.

The following is a list of the other roads and highways which are maintained by you :—

	Fur.	Yds.
Billy Lane .....	1	80
Vickers Street .....	0	158½
Berry Street .....	0	102½
Richmond Street .....	0	45
Holt Street .....	0	44
Back Richmond Street .....	0	24
Back Manchester Road, South .....	0	113
Back Manchester Road .....	0	45
Lomax Street .....	0	110
Back Berry Street .....	0	45
Gaskell Street .....	0	66½
Back Vickers Street .....	0	100
Rose Hill Street .....	0	108¾
Side Street A .....	0	20
Back Passage off Holt Street .....	0	17
Wroe Street .....	0	110¾
Lomas Street, off Wroe Street .....	0	27
Back Manchester Road, off Wroe Street .....	0	30
Back Manchester Road, off Wroe Street .....	0	27
Cotton Street .....	0	56
Fitton Street .....	0	88½
Battery Street .....	0	108
Back Fitton Street, South .....	0	37½
Clough Street .....	0	65
Back Fitton Street, North .....	0	33½
Back Cotton Street .....	0	38
Back Manchester Road, North .....	1	72½
Side Street No. 1 .....	0	89
Side Street No. 2 .....	0	29
Thomas Street .....	0	29
Side Street No. 4 .....	0	29
Side Street No. 5 .....	0	29
Back New Rake Lane .....	0	10
Miles .....	<u>2</u> <u>5</u>	<u>120</u>

Plans for 3 new streets and 2 buildings have been approved during the past year.

The following Table gives the number of houses erected in Clifton during the last ten years :—

1904	1905	1906	1907	1908	1909	1910	1911	1912	1913
4	0	0	0	3	0	1	0	2	4

An infringement of the Building Bye-laws by Mr. Abbott caused him to be summoned before the County Bench at Strangeways on 1st August, 1913, for permitting houses to be occupied without having previously completed them and obtained the necessary certificate of habitation. He was fined 10s. and costs, and ordered to fulfil the requirements of the Council's Bye-laws.

#### COPPICE CLOUGH SEWAGE WORKS.

During the year the effluents from this works have been fairly satisfactory, and the analyses of the Mersey and Irwell Joint Committee have been as follows:—

January 28th, 1913...	Oxygen absorbed...	0·015 grains per gallon
	(2nd on list of 60 towns).	Good effluent.
September 30th, 1913 ...	Oxygen absorbed ...	0·54 grains per gallon
	(22nd on list of 110 towns).	Unsatisfactory effluent.

An Inquiry was held on 30th April last, into the proposed re-construction of the Sewage Works, at a cost of £1,370, by A. A. G. Malet, Esq., an Inspector of the Local Government Board. The Local Government Board required certain alterations and additions to be made in the scheme which have increased the estimate of cost to £2,061, and the sanction of the Board to the increased amount is being sought.

#### UNITY BROOK SEWAGE WORKS.

The effluents from this works are somewhat variable, and the analyses of the Mersey and Irwell Joint Committee have been as follows:—

January 28th, 1913.....	Oxygen absorbed.....	2·83 grains per gallon
	(55th on a list of 60 towns).	Bad effluent.
June 17th, 1913 .....	Oxygen absorbed.....	0·28 grains per gallon
	(4th on a list of 47 towns).	Good effluent.
November 25th, 1913 ...	Oxygen absorbed.....	0·60 grains per gallon
	(23rd on a list of 71 towns).	Fair effluent.

Aluminoferrous Cake is used at each of the above works to cause subsidence of the solid matters in the Detritus and Sedimentation Tanks.

## MAIN SEWERS.

The lengths of your Main Sewers are as follows :—

	M.	F.	YDS.
Main Trunk Sewers .....	1	3	96
New intercepting Sewer .....	0	1	180
Tributary Sewers .....	1	3	187
Total .....	3	1	23

The main sewers are constantly receiving attention, and are flushed and cleansed weekly.

The maintenance of highways, sewers, and other works, supervision of new buildings and drains, sewage outfall works and other sundry works have been duly carried on throughout your District during the year.

I am, Gentlemen,

Your obedient Servant,

A. H. MOUNTAIN,

*Assoc. M. Inst. C.E.,*

Surveyor.

# SANITARY INSPECTOR'S REPORT.

INSPECTOR'S OFFICE, PATRICROFT,

*February, 1914.*

*To the Chairman and Members of the Barton-upon-Irwell  
Rural District Council.*

GENTLEMEN,

I beg to submit my Second Annual Report as Sanitary Inspector of your Rural District for the year 1913.

A summary of the work done is shown in the following Table, so far as it is possible to put the same in tabular form.

The work has been carried out on much the same lines as in previous years, and I am pleased to say it has not been necessary to resort to legal proceedings in any of the various matters dealt with.

TABLE I.

	Barton Moss	Clifton	Davy- hulme	Flixton	Total
I.—COMPLAINTS RECEIVED.....	...	4	20	11	35
II.—INSPECTIONS MADE—					
Dwelling Houses .....	7	61	25	89	182
Schools .....	...	8	9	12	29
Yards .....	3	138	48	84	273
Privies and Ashpits.....	...	89	25	56	170
Drainage.....	...	13	455	118	586
Water Courses .....	7	...	11	10	28
Dairies, Cowsheds, and Milkshops ...	10	28	19	23	80
Factories .....	...	3	30	2	35
Workshops .....	...	6	50	6	62
Outworkers' Premises .....	...	...	...	2	2
Slaughterhouses .....	...	27	...	32	59
Knacker's Yard .....	...	...	9	...	9
Refuse Tips .....	11	...	...	22	33
Interviews with Owners and Con- tractors .....	...	10	43	23	76
Smoke Observations taken .....	...	3	16	4	23
Miscellaneous .....	17	63	98	117	315

TABLE I.—(Continued).

	Barton Moss	Clifton	Davy- hulme	Flixton	Total
III.—INFECTIOUS DISEASES—					
No. of Cases Inquired Into .....		11	9	20	40
„ „ Removed to Hospital .....		3	...	2	5
Revisits to Cases Isolated at Home .....		12	15	25	57
No. of Houses Disinfected .....		5	2	11	18
Schools Disinfected .....		2	...	2	4
IV.—PRIVIES, WATER CLOSETS, &C.—					
Privies Repaired .....		30	...	..	30
Privies Converted to W.C.'s .....		9	23	18	50
„ „ „ Pail Closets .....		6	...	...	6
Additional W.C.'s Provided .....		1	1	4	6
Privy Middens abolished .....		6	14	7	27
New or Additional Dustbins Provided .....		10	20	55	85
V.—MISCELLANEOUS—					
Water Courses Cleansed .....		...	1	2	3
Overcrowding Abated .....		1	...	...	1
Houses Repaired after Notice .....		15	2	15	32
„ „ Cleansed .....		12	...	...	12
„ „ Closed .....		...	...	2	2
„ „ Demolished .....		...	...	1	1
House Drains Connected with Sewer .....		...	80	6	86
„ „ Repaired or Reconstructed .....		8	81	21	110
„ „ Tested .....		...	1	10	11
Water Test applied to New Drains .....		...	140	30	170
Sewers Flushed and Cleansed .....		...	...	4	4
Yard Surfaces Paved or Repaired .....		4	17	15	36
Urinals Reconstructed .....		1	...	...	1
Improper Keeping of Pigs—Removed .....		1	...	1	2
Accumulations Removed .....		...	1	...	1
Slaughterhouses Limewashed and Cleansed .....		4	...	4	8
Slaughterhouses Repaired .....		...	...	1	1
Dairies and Cowsheds Cleansed and Limewashed .....	5	4	8	6	23
Cowsheds Ventilated or Ventilation Improved .....		4	...	3	7
„ „ Provided with Additional Light .....		1	...	3	4
„ „ Overcrowded : Number Reduced .....		..	...	1	1
Cesspools Cleansed .....		...	2	...	2
Smoke Nuisances Abated .....		...	2	1	3
Notices Served (Informal) .....		13	25	41	79
„ „ (Statutory) .....		11	52	18	81



The following is a list of the various Statutory notices served :—

TABLE II.

Section 23, Public Health Act, 1875	...	...	...	...	53
„ 36, „ „ „ „	...	...	...	...	8
„ 94, „ „ „ „	...	...	...	...	8
„ 15, Housing Town Planning Act, &c., 1909..	...	...	...	...	9
Closing Orders under „ „	...	...	...	...	2
Demolition Orders under „ „	...	...	...	...	1
Total	...	...	...	...	81

## CLIFTON.

The collection and disposal of domestic refuse in this part of your district is still carried out under contract, and the work continues to be done in a fairly satisfactory manner.

The dustbins and pail closets are emptied weekly, and the privies and ashpits at least four times a year.

Nine water closets have been substituted for privies, and one additional water closet has been provided. Six privies have been converted to pail closets. Six privy middens abolished and dust bins provided for house refuse.

## DAVYHULME.

The removal and disposal of domestic refuse in this district is also carried out under contracts, and with the exception of Trafford Park area, the work is done in a satisfactory manner. A number of complaints have been received in connection with neglect on the part of the Contractor in not regularly emptying the pail closets at the various works in Trafford Park area. With alterations proposed in the new contract for this portion of the district, I am hoping the same will prove beneficial and result in more regular attention.

The dustbins and pail closets are emptied weekly, and the privies and ashpits not less than four times a year; 23 water



closets and 20 dustbins have been substituted for privies and middens, and 1 additional water closet has been provided. The work of redrainage of houses and connecting the same with the new sewer has been steadily going on throughout the year. The number of houses redrained and connected with the sewer being 80. Only a very few houses now remain to be dealt with in the sewered portion of your district. I am pleased to say this work has been carried out with very little friction, and it has only been necessary in two instances for the Council to do the work on non-compliance with the notices served.

The water test is applied to all new drains.

The No. 2 scheme for the sewerage of the remaining portion of this district is receiving consideration, and I hope before long will be well in hand. This will provide for much more suitable drainage arrangements and will be the means of abolishing many filthy cesspools and an improved condition in the water-courses.

#### OFFENSIVE TRADES.

The three works under this heading in Trafford Park are being conducted in a satisfactory manner. No serious complaints have been received in connection with these works. One license for a knacker's yard in Trafford Park was granted during the year.

#### FLIXTON.

The collection and disposal of domestic refuse in this township is still carried out under contract for team labour, the manual work being done by men directly employed by the Council. The work during the past year has been done in a very satisfactory way and at a considerable reduction in the team labour contract. The number of complaints received in connection with this work were only six, which I consider is a very low figure indeed and shows the efficient manner in which this work is dealt with.

The following table shows the number of loads removed from ashpits, privy middens, and dust bins :—

TABLE III.

Month.	DAYWORK.		NIGHTWORK.	Total.
	Number of loads from Dust Bins.	Number of loads from Dry Ashpits.	Number of loads from Privy Middens, Ashpits and Pails	
January .....	80	...	65	145
February .....	72	...	54	126
March .....	81	11	35	127
April .....	81	22	40	143
May .....	73	21	43	137
June .....	78	17	39	134
July .....	77	25	45	147
August .....	70	20	37	127
September .....	87	21	33	141
October .....	70	25	44	139
November .....	66	13	33	112
December .....	85	28	27	140
Total...	920	203	495	1618

In addition to the above figures a horse, cart and man have been engaged on the tip as required in carting soil from the bottom and covering the top portion of the tip ; by this arrangement the tip is kept in good condition and does away with an unsightly appearance.

Eighteen water closets have been substituted for privies, seven privy middens abolished, four additional water closets, and 55 new or additional dustbins have been provided. The drains of 21 houses have been re-constructed, and six house drains have been connected to the sewer.

The water test is applied to all new drains.

#### SLAUGHTER-HOUSES.

No additional licenses have been granted. There are only four licensed in the district, two in Flixton and two in Clifton.

Fifty-nine visits have been paid to these premises. They are kept in a fairly good condition. No diseased or unsound meat has been found.

#### DAIRIES AND COWSHEDS.

The number of names on the register as Cowkeepers or Purveyors of Milk are:—

Barton Moss.	Clifton.	Davyhulme.	Flixton.	Purveyors of Milk from other Districts.	Total.
5	11	10	15	11	52

Eighty visits have been paid to these premises. The new regulations adopted by the Council and which came into operation at the beginning of the year have been very beneficial. Many of the cowsheds are in a much better condition, and the places are more regularly cleansed and lime-washed. Several improvements have been effected as regards light and ventilation and others are receiving attention.

#### INFECTIOUS DISEASES.

The number of houses reported as containing one or more cases of infectious disease other than Tuberculosis will be seen on reference to Table IV., also a comparison with previous years.

TABLE IV.

Name of Disease	1908	1909	1910	1911	1912	Average for 5 years	1913
Scarlet Fever.....	17	50	61	22	32	36.4	7
Diphtheria .....	5	5	15	10	7	8.4	5
Puerperal Fever .....	1	2	...	...	1	.8	...
Enteric Fever .. .....	6	5	3	2	1	3.4	3
Erysipelas .....	7	5	2	6	3	4.6	3
Ophthalmia Neonatorum	..	...	2	1	...	.6	2
Total.....	36	67	83	41	44	54.2	20

Table V. gives a monthly record of all the cases of infectious disease occurring in each Township.

TABLE V.

Nature of Disease	January	February	March	April	May	June	July	August	September	October	November	December	Total
BARTON MOSS.—Nil.													
	...	...	...	...	...	...	...	...	...	...	...	...	...
	..	...	...	...	...	...	...	...	...	...	...	...	...
CLIFTON.													
Scarlet Fever ...	...	...	1	...	...	...	...	...	...	...	...	...	1
Enteric Fever ..	...	...	2	...	...	1	...	...	...	...	...	...	3
Diphtheria .....	...	...	...	...	...	...	...	...	1	...	...	...	1
Erysipelas .....	...	1	...	...	...	...	...	1	...	...	...	...	2
Ophthalmia	...	...	...	...	...	...	...	...	...	...	...	...	...
Neonatorum	...	...	...	...	...	...	...	1	...	...	...	...	1
Tuberculosis ...	...	..	...	2	..	1	...	...	...	..	...	...	3
Total.....	...	1	3	2	...	2	...	2	...	1	...	...	11
DAVYHULME.													
Scarlet Fever....	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever ...	...	...	..	...	...	...	...	...	...	...	...	...	...
Diphtheria .....	...	...	...	1	...	1	...	...	...	...	...	...	2
Erysipelas .....	...	...	...	...	...	...	...	...	...	1	...	...	1
Ophthalmia	...	...	...	...	...	...	...	...	...	...	...	...	...
Neonatorum	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis ...	...	...	1	...	2	1	...	...	1	...	...	1	6
Total.....	...	...	1	1	2	2	...	...	1	1	...	1	9
FLINTON.													
Scarlet Fever....	...	...	...	..	...	...	...	1	...	1	3	1	6
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria .....	...	...	1	1	...	...	...	...	...	...	..	...	2
Erysipelas .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia	...	...	...	...	...	...	...	...	...	...	...	...	...
Neonatorum...	...	...	...	...	...	...	...	...	1	...	...	...	1
Tuberculosis ...	...	3	3	1	...	...	...	...	2	...	1	1	11
Total.....	...	3	4	2	...	...	...	1	2	2	4	2	20
Total for all Districts...	...	4	8	5	2	4	..	3	3	4	4	3	40

The cases of Tuberculosis included in the above Table were notified under the Public Health (Tuberculosis) Regulations 1913, as follows :—

Form A.	...	...	...	...	...	17
„ B.	...	...	...	...	...	1
„ C.	...	...	...	...	...	2
Total	...	...	...	...	...	20

Five cases of Infectious Disease were removed to Hospital during the year. Of these, 2 were suffering from Scarlet Fever, 1 from Diphtheria, and 2 from Enteric Fever.

Bedding from 18 houses have been disinfected at Mode Wheel Disinfecting Station, and the same number of houses have been fumigated.

The free distribution of Disinfectants from convenient centres in each Township still continues, a reasonable quantity being used.

#### HACKNEY CARRIAGES.

Two Hackney Carriages and two Drivers' Licenses have been renewed in Flixton.

In Davyhulme, two Taxi-cabs and one Drivers' Licence were issued.

No complaints have been received in connection with these.

#### PETROLEUM ACTS.

Eight Licenses for storage under the above Acts were granted, as follows :—

Davyhulme.....	Petroleum or other Spirit .....	6
„ .....	Carbide of Calcium.....	1
Flixton .. .....	Motor Spirit .....	1

Frequent visits have been paid to these premises, but no infringement of the regulations were discovered.

#### PUBLIC LIGHTING.

In Davyhulme, 13 new lanterns, with inverted burners, have been fitted to the remaining pillars along Barton Road, and the whole length of this road is now lighted with this class of lamp.

In Flixton, nine additional lamps have been erected, viz. :—  
Six Irlam Road, 1 Shaw View, 1 Windsor Avenue, and 1 The

Crescent; the lanterns from existing pillars in Flixton Road were fitted to these pillars and new lanterns with inverted burners substituted.

In Clifton nine new lanterns for bracket lamps have been provided; also six additional automatic controllers for lamps on Manchester Road.

No change has taken place in Barton Moss.

The number of lamps in each district is shown in the following Table :—

TABLE VI.

District	Number of Lamps	Gas Supplied by
Barton Moss.....	17	Salford Corporation
Clifton .....	62 8	Salford Corporation Clifton and Kearsley Coal Co.
Davyhulme .....	22 123 6	Salford Corporation Stretford Gas Company Oil Lamps
Flixton .....	171	Stretford Gas Company
Total for all Districts...	409	

I am, Gentlemen,

Your obedient Servant,

ROBT. G. CHILD, M.S.I.A.,

Sanitary Inspector.





